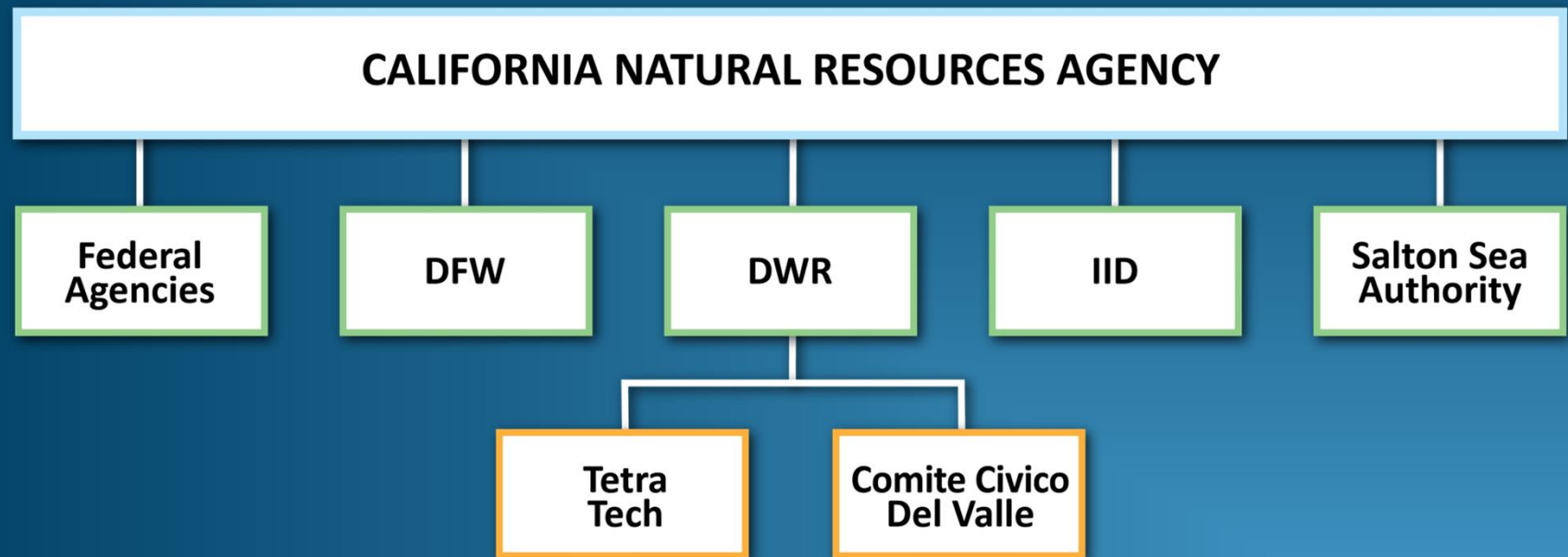


SALTON SEA MANAGEMENT PROGRAM PHASE I: 10-YEAR PLAN IMPLEMENTATION

June 05, 2017



SSMP ORGANIZATION



PRESENTATION OVERVIEW

- **Near-term Design & Construction**
 - Status of existing projects
 - Planning & design for other near-term projects
- **Phase I 10-Year Plan**
 - Overview
 - Work Plan and Implementation
- **Projected Costs & Funding**

NEAR-TERM DESIGN & CONSTRUCTION

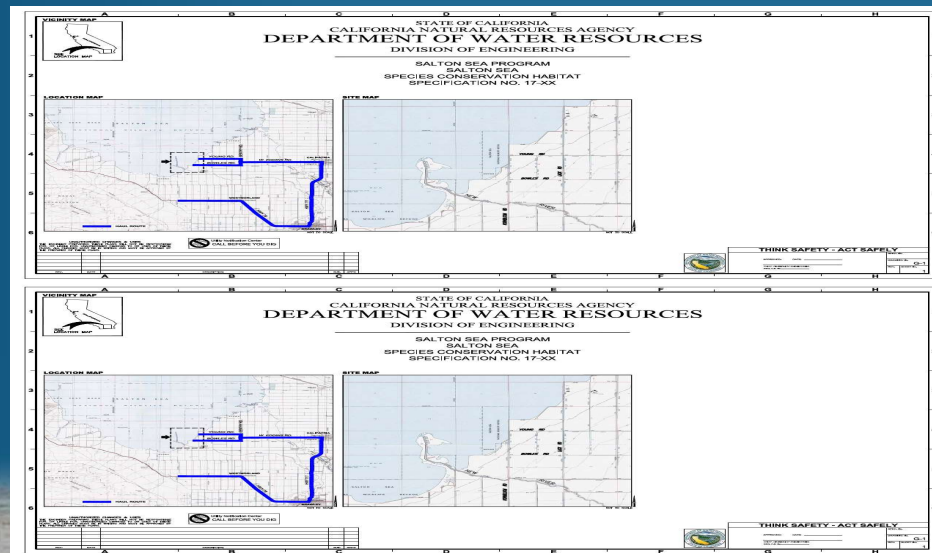
- **Current projects**
 - New River East
 - Red Hill Bay
 - Torres Martinez Wetland Project
- **Proposed 2018 and 2019**
 - New River West
 - Whitewater River

NEW RIVER EAST & WEST



SPECIES CONSERVATION HABITAT (SCH) PHASE 1

- 100% Design package complete
 - Ready to go to bid
- Working to secure easement



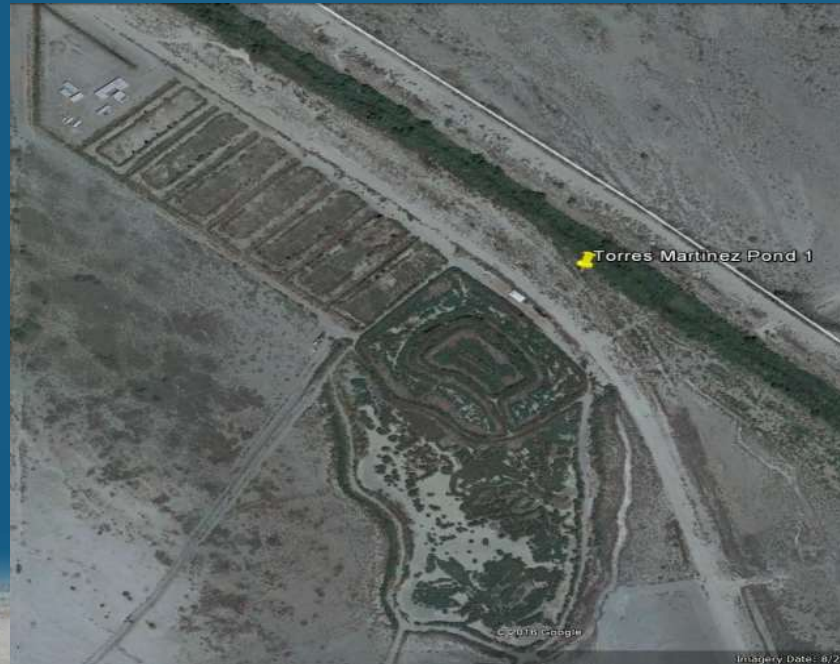
RED HILL BAY

Construction started in 2017



TORRES MARTINEZ WETLAND PROJECT

- 47 acres near Whitewater River
- Rehabilitation of existing dry constructed wetland



NEW RIVER WEST

- Expanded habitat project within SCH permitted area
- Construction to be contracted by design-build (DB)
- Initial task orders issued
 - Geotechnical survey & design criteria report
 - Annotated outline for full set of design criteria
 - Developing DB Guidelines

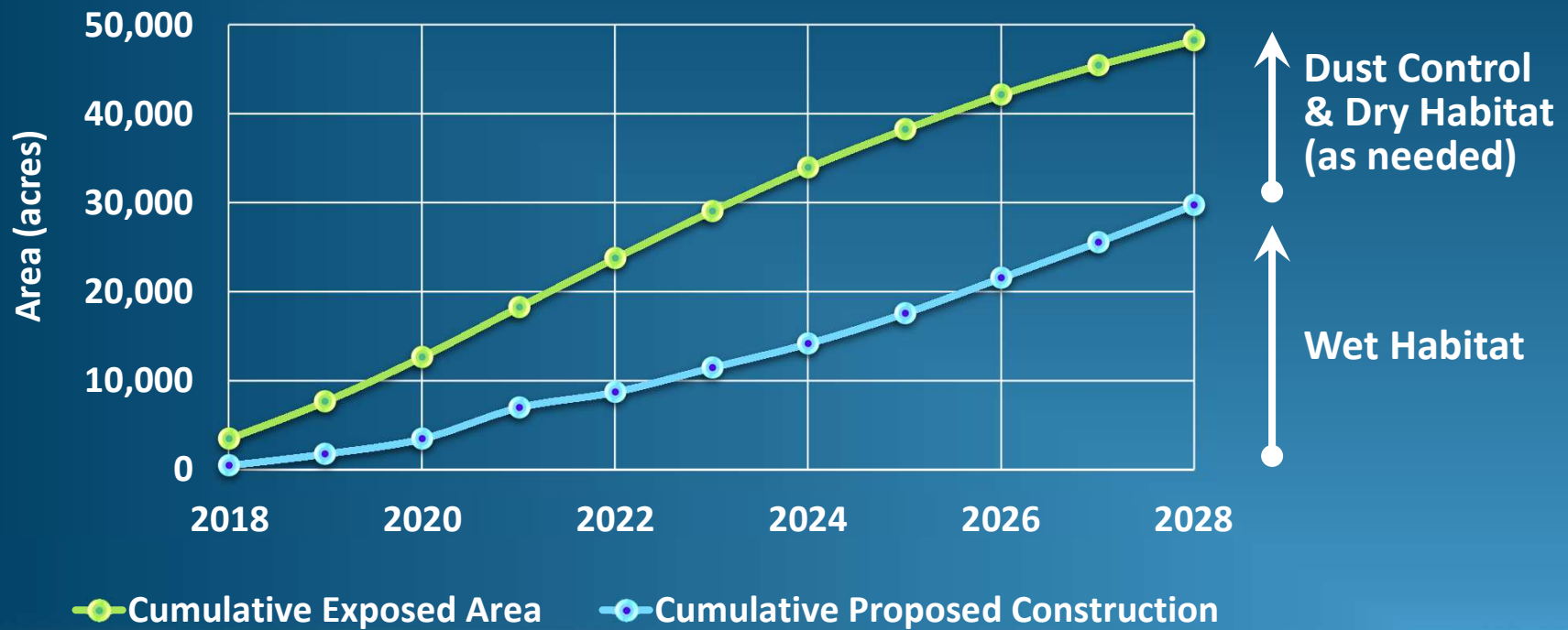
PRESENTATION OVERVIEW

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PHASE I: 10-YEAR PLAN OVERVIEW (WORK PLAN)

- Introduction & Phase I – Background
- Phase I – Implementation
- Projected Costs & Funding
- Planning Criteria for Additional Phases
- Adaptive Management, Monitoring & Contingencies
- Outreach

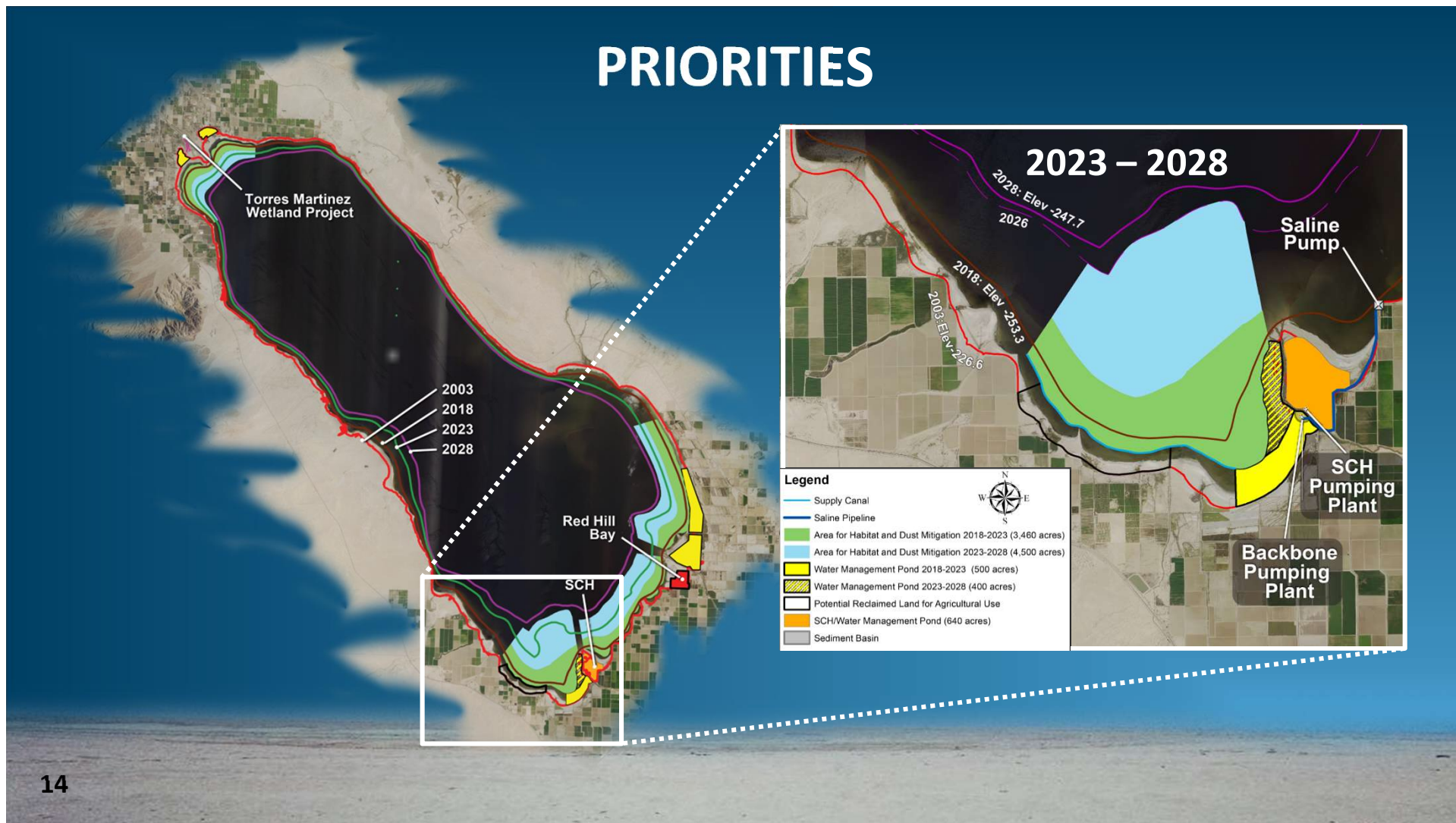
PROPOSED 10-YEAR PLAN



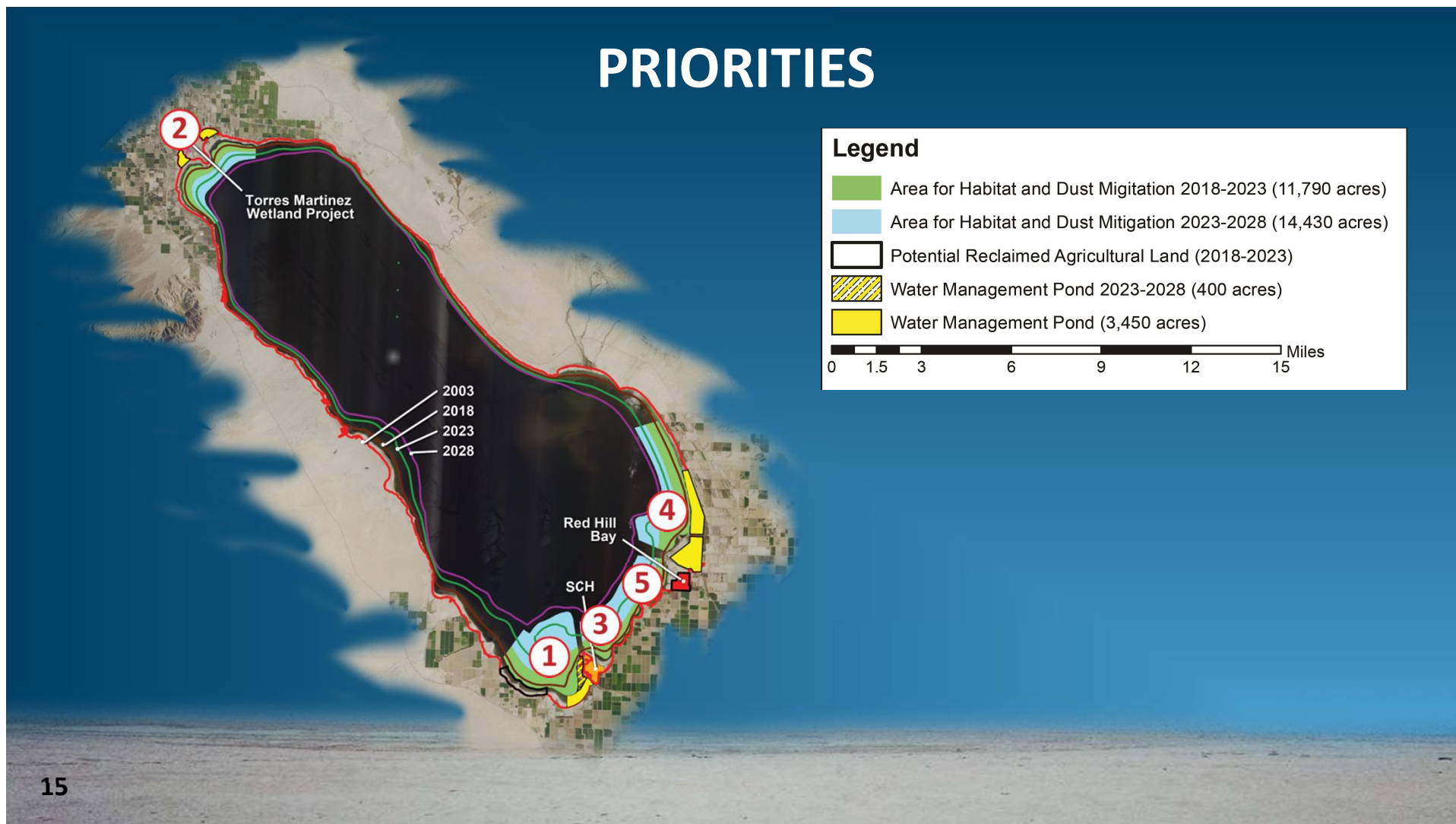
FOCUS AREAS

- **10-Year plan focuses on key components and locations**
 - New River East & West
 - Whitewater River
 - Alamo River North & South
- **Priorities because of proximity to water sources & completed environmental clearance**
- **Other shoreline areas will be developed later**

PRIORITIES



PRIORITIES



CONSTRUCTION SCHEDULE

Habitat Area	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
New River West	→ Design	Construction and Operation										
Whitewater River	→	Design	Construction and Operation									
New River East	→	→	→	Design	Construction and Operation							
Alamo River South	→	→	→	→	Design	Construction and Operation						
Alamo River North	→	→	→	→	→	Design	Construction and Operation					

10-YEAR PLAN IMPLEMENTATION STRATEGY

1. Continue developing water management design criteria
2. Evaluate habitat locations & types
3. Refine conceptual design options for playa land uses
4. Refine assessment tools for SSMP playa treatments
5. Evaluate SSMP environmental compliance needs
6. Compare & evaluate habitat designs to existing draft Habitat Conservation Plans (HCPs)
7. Plan & implement air quality projects
8. Plan & implement harbor & ancillary facilities

1. CONTINUE DEVELOPING WATER MANAGEMENT DESIGN CRITERIA

- Water management infrastructure: source of water supply for habitat
- Design criteria considerations will include:
 - Gravity feed vs pumping
 - Location
 - Capacity & surface area
 - Geotechnical considerations
 - Compatible with IID's System

2. EVALUATE HABITAT LOCATIONS & TYPES

- **Design Considerations**

- Habitat Functional Values
- Water Use
- Salinity
- Water Quality in Constructed Habitat
- Selenium Management

- **Habitat Types**

- Permanent Wetlands with Vegetation
- Dry Playa
- Mudflat, Sandflat, & Beach
- Mid- & Deep-Water
- Existing Habitat

3. REFINE CONCEPTUAL DESIGN OPTIONS FOR PLAYA LAND USES

- **Planning areas have been established**
- **Next steps will involve refined conceptual designs**
 - Detailed topo (e.g. LIDAR surveys)
 - Water supply analyses
 - Soil & geotechnical analysis
 - Geothermal compatible

4. REFINE ASSESSMENT TOOLS FOR PLAYA TREATMENTS

- **Habitat assessment tool considers:**
 - Water budgets (Hydrology)
 - Salinities
 - Other features of playa treatments
- **Tool will be refined**
 - Improve precision
 - Application to more site specific habitat features
 - Identify existing habitat features

5. EVALUATE ENVIRONMENTAL COMPLIANCE NEEDS

- **Environmental documents & permitting completed for current projects**
 - Species Conservation Habitat - New River East & West
 - Red Hill Bay
 - Torres Martinez Wetlands
- **Additional areas available within SCH footprint**
- **Environmental compliance needs for other areas will be evaluated**

6. COMPARE & EVALUATE HABITAT DESIGNS TO EXISTING HCPS

- **Phase I: 10-Year Plan will be compared to existing Habitat Conservation Plans**
 - IID Water Conservation and Transfer Project HCP/NCCP
 - Coachella Valley Multiple Species Habitat Conservation Plan
- **Check for compatibility, continuity, & consistency**

7. PLAN AIR QUALITY PROJECTS

- Modeled after Salton Sea Air Quality Mitigation Program (IID, July 2016)
- Evaluate Dust Suppression Methods
 - Water dependent
 - Waterless
- Coordination with IID, ICAPCD, & affected agencies

8. PLAN HARBOR & ANCILLARY FACILITIES

- Evaluate potential to reconnect, inundate, or treat harbors & boat docks along east & west shores
 - Reduce odors
 - Reduce vectors
 - Dust suppression

IMPLEMENTATION PLAN TIMELINE

- Draft Plan Late Summer
- Next Workshop Early Fall
- Comment Period Fall
- Final Implementation Plan End of 2017

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AVAILABLE FUNDING

- **Water Bond (Proposition 1)**
- **Wildlife Conservation Board (Proposition 50)**
- **U.S. Department of Agriculture**

POTENTIAL FUNDING SOURCES

- Water Transfer Joint Powers Authority
- DOI/CNRA Memorandum of Understanding
- Philanthropic Organizations
- Water Resource Development Act Funding
- USDA Partnerships & Funding
- Additional State & Local Funding

SALTON SEA MANAGEMENT PROGRAM PHASE I: 10-YEAR PLAN IMPLEMENTATION

[HTTP://RESOURCES.CA.GOV/SALTON-SEA](http://resources.ca.gov/salton-sea)

June 05, 2017



Salton Sea Management Program Status

You're
Invited

Work continues on the 10-Year Plan of the Salton Sea Management Program led by the California Natural Resources Agency in partnership with the California Department of Water Resources, Salton Sea Authority, California Department of Fish & Wildlife, and many other federal, state and local stakeholders. Projects included in the Phase 1: 10-Year Plan, like the water backbone infrastructure and related habitat and dust suppression components will help address dust emissions and increased salinity that will pose a threat to public health, fish and bird habitat and our local economies.

Please join us at one of our upcoming workshops to learn about the 10-Year Plan and what it means to you and your community.

Salton Sea Community Workshops

- | | | | |
|---|---|---|--|
| 1 Boys & Girls Club
91391 66th Ave, Mecca
June 13, 5:30-7:30PM | 2 West Shores Senior Citizens Club
1375 S. Marina Drive, Thermal
June 15, 5:30-7:30PM | 3 Del Rio Community Center
1501 I St., Brawley
June 22, 5:30-7:30PM | 4 Ski Inn
9596 Ave. A, Niland
June 28, 2:00-4:00PM |
| 5 IID District Office
1285 Broadway St., El Centro
June 29, 5:30-7:30PM | 6 Indio Performing Arts Center
4517 Fargo St. Indio
July 6, 5:30-7:30PM | 7 Rancho Mirage Public Library
71100 CA-111, Rancho Mirage
July 13, 5:30-7:30PM | |

Locations and times are subject to change. Check the Salton Sea Management Program web page for details: resources.ca.gov/salton-sea

For more information or to request Spanish interpretation services at one of these workshops, please contact Josh Zippelman at Josh@BurkeRix.com or phone at (760) 327-9708 x24.